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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/757,399	•	01/15/2004	Ming Yeh	0941-0899P	4941	
2292	7590	09/20/2005		EXAM	EXAMINER	
BIRCH ST PO BOX 74		Γ KOLASCH & BIR	NGUYEN,	NGUYEN, TUYEN T		
	•	VA 22040-0747		ART UNIT	PAPER NUMBER	
	,			2832		
				DATE MAILED: 09/20/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

			71/
	Application No.	Applicant(s)	
	10/757,399	YEH ET AL.	
Office Action Summary	Examiner	Art Unit	
	TUYEN T. NGUYEN	2832	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence ad	dress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period or Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tinwill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this co D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on <u>07 Ju</u>	<u>uly 2005</u> .		
2a)⊠ This action is FINAL . 2b)☐ This	action is non-final.		
3) Since this application is in condition for allowa	nce except for formal matters, pro	secution as to the	merits is
closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 1-30 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-30 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the drawing(s) be held in abeyance. Setion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CF	
Priority under 35 U.S.C. § 119			
a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	ion No. <u>09/984,398</u> ed in this National	_
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate)-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 11-15, 17-19, 27-28 and 30 are rejected under 35 U.S.C. 102(b) as being anticipated by applicant's admitted prior art of figures 1a-1c [AAPA].

AAPA discloses an ignition coil [10] comprising:

- a plastic casing [20] having a base;
- a bobbin [30] comprising:
 - a body having primary and secondary portions [50, 60];
- a plurality of first terminals [62] supported by a plurality of protrusions [figure 1c] embedded in the bobbin;
 - a plurality of second terminals [51] embedded in the bobbin;
- a primary coil [80] wound about the primary portion of the bobbin and connect to the second terminals;
- at least one secondary coil [90] wound about the secondary portion of the bobbin and connect to the first terminals; and
 - a core [70] disposed inside the bobbin.

wherein the bobbin is disposed inside the casing, and the body and the casing simultaneously abut each of the first terminals so that each of the first terminals is maintained in a predetermined position on the body.

wherein the casing including at least one terminal supporting portion [25] for supporting the terminals of the bobbin.

wherein the plurality of first terminals abutted by the base.

Regarding claims 2 and 18, AAPA inherently discloses apertures/openings for receiving the plurality of first terminals therein.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4-10, 16, 20-26 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA in view of Raggi [US 5,179,365].

AAPA discloses the instant claimed invention except for the terminal pins being on the casing.

Raggi discloses a coil support structure having a plurality of pins embedded in a housing base support and ring-type connections of a coil structure received by the pins [figure 6].

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use the terminal pins/supporting design of Raggi for the bobbin/coil of AAPA for the purpose of facilitating coil mounting.

Regarding claims 8 and 24, AAPA further discloses each of the first terminals having a protruding portion [figures 1a, 1b] for providing connections with the secondary coil.

Response to Arguments

Applicant's arguments filed 7/7/2005 have been fully considered but they are not persuasive.

Applicant argues that:

[1] AAPA fails to disclose the body and the casing simultaneously abut each of the first terminals so that each of the first terminals is maintained in a predetermined position on the body;

[2] The terminal of AAPA is only supported by the bobbin [body]. That is, the terminal of APPA is rotatable.

The examiner disagrees.

Regarding [1], AAPA discloses the first terminals [62] fixed or abutted to the body portion of the bobbin [figure 1a] and portion [25] of the casing [20] simultaneously, comparing to the claimed invention, the first terminals [320] fixed or abutted to the body portion [figures 2b-2c and 4a] and the supporting portion [221] of the casing [200].

Regarding [2], applicant does not preclude any rotatable of the terminal. From figures and the specification, when the first terminals [320] being inserted into the pins [210], portions [320a] is capable of rotatable.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUYEN T. NGUYEN whose telephone number is 571-272-1996. The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ELVIN ENAD can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTN FW

Tuyen T. Nguyen

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